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IS 2892 (1993): Wooden handles for picks and beaters - [CED 9: Timber and Timber Stores]

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(दूसरा पुनरीक्षण)

Indian Standard

WOODEN HANDLES FOR PICKS AND BEATERS — SPECIFICATION

(Second Revision)

UDC 674·75

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

August 1993 Price Group 2

Timber Stores Sectional Committee, CED 33

FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Timber Stores Sectional Committee had been approved by the Civil Engineering Division Council.

General requirements for wooden tool handles are covered by IS 620 : 1985 'Specification for wooden tool handles — General requirements (*fourth revision*)'. A series of standards have been prepared for various hand tools and for use with these hand tools, a series of standards for the corresponding wooden handles are being prepared. This standard deals with the wooden tool handles for picks and beaters conforming to IS 273 : 1983 'Specification for picks and beaters (*third revision*)'.

This standard was first published in 1964 and then revised in 1980. In this second revision, reference has been given to the latest version of IS 620 which recommends room temperature for linseed oil used for treatment of the handles. This revision therefore deletes the corresponding clause recommending a temperature of 90°C.

The committee responsible for the preparation of this standard is given at Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

WOODEN HANDLES FOR PICKS AND BEATERS — SPECIFICATION

(Second Revision)

1 SCOPE

1.1 This standard covers the requirements of wooden handles for picks and beaters conforming to IS 273 : 1983.

2 REFERENCES

2.1 The following Indian Standards are necessary adjuncts to this standard:

IS No.	*Title*
273 : 1983	Specification for pick and beaters (*third revision*)
620 : 1985	Specification for wooden tool handles — General requirements (*fourth revision*)

3 TERMINOLOGY

3.0 For the purpose of this standard, the definitions given in IS 620 : 1985 shall apply.

4 SPECIES OF TIMBER

4.1 Handles for picks and beaters shall be manufactured from any of the timbers specified for Class I handles in accordance with IS 620 : 1985.

4.2 Blanks shall be well-seasoned (preferably air-seasoned) to moisture content not exceeding 15 percent and not less than 8 percent. These shall be free from centre heart (pith), any kind of decay (rot), checks, shakes, splits (except hair splits), borer holes, warp and any other defect, except those permitted in the finished handles (*see* IS 620 : 1985).

5. MANUFACTURE

5.1 Handles shall be manufactured from seasoned and selected blanks and shaped as shown in Fig. 1.

5.2 The treatment to be provided to the handles shall be as given in **5.1.1** of IS 620 : 1985.

6 DIMENSIONS AND TOLERANCES

6.1 Dimensions

Handles shall conform to the dimensions as shown in Fig. 1 and Fig. 2.

6.2 Tolerances

The following tolerances shall be permissible:

a) Where the head of the tool fits	$^{+3\text{ mm}}_{-0\text{ mm}}$
b) At other places	± 2 mm
c) On length	± 5 mm

7 OTHER REQUIREMENTS

7.1 Workmanship and finish, permissible defects, tests and treatment shall be as specified in IS 620 : 1985.

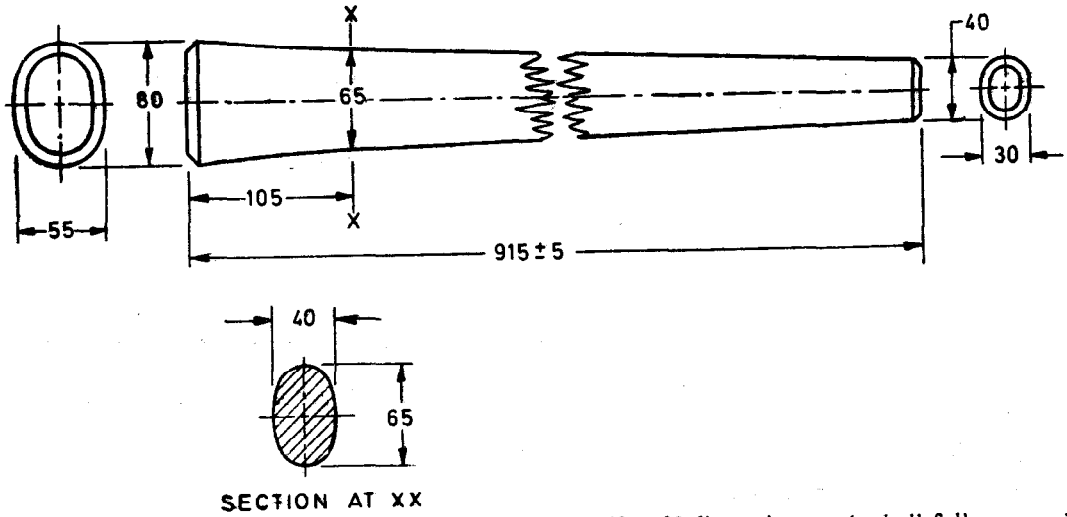
8 SAMPLING

8.1 The method of drawing representative samples and criteria for conformity shall be as prescribed in IS 620 : 1985.

9 MARKING

9.1 Unless specified otherwise, each handle shall be legibly and indelibly marked with the manufacturer's name, initials or recognized trade-mark and the year of manufacture.

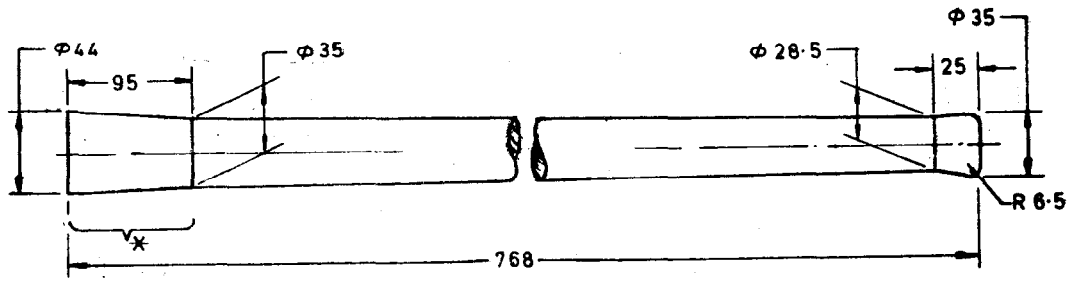
9.1.1 Each handle may also be marked with the Standard Mark.



NOTE — From 80 × 55 to 65 × 40 and then from 65 × 40 to 40 × 30 dimensions each shall follow a uniform taper.

All dimensions in millimetres.

FIG. 1 HANDLE FOR PICKS AND BEATERS HAVING HEAD MASS MORE THAN 1 kg



*Tolerance of ± 1·5 on all dimensions of the helve shall be permitted provided the tapered portion between this bracket has an accurate taper of 1 in 10.

All dimensions in millimetres.

FIG. 2 HANDLE FOR PICKS DIGGING HEAD 1 kg

ANNEX A

(*Foreword*)

COMMITTEE COMPOSITION

Timber Stores Sectional Committee, CED 33

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SHRI R. C. TANDON	FRI, Dehra Dun (Timber, Mechanics Branch)
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SHRI N. K. UPADHYAY	Directorate General of Supplies and Disposals
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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 331 01 31, 331 13 75

Telegrams : Manaksanstha
(Common to all Offices)

Regional Offices :	Telephone
Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	331 01 31 331 13 75
Eastern : 1/14 C. I. T. Scheme VII M, V. I. P. Road, Maniktola CALCUTTA 700054	37 84 99, 37 85 61 37 86 26, 37 86 62
Northern : SCO 445-446, Sector 35-C, CHANDIGARH 160036	53 38 43, 53 16 40 53 23 84
Southern : C. I. T. Campus, IV Cross Road, MADRAS 600113	235 02 16, 235 04 42 235 15 19, 235 23 15
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